

EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---------------------------|------------------|---------|---------------------|
| S1 | 413 | (438/155).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/12 14:25 |
| S2 | 1821 | diode with amorphous | US-PGPUB; USPAT; USOCR | OR | ON | 2007/06/12 14:31 |
| S3 | 9 | S1 and S2 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/06/12 14:37 |
| S4 | 6 | S1 and pin with diode | US-PGPUB; USPAT; USOCR | OR | ON | 2007/06/12 14:39 |
| S5 | 19 | S1 and tft with diode | US-PGPUB; USPAT; USOCR | OR | ON | 2007/06/12 14:39 |
| S6 | 12 | ("5019002" "5219771" "5220443" "5585949" "5671026" "5798534" "5930607" "5949502" "6013923" "6066506" "6111424" "6160270"). PN. OR ("6599787"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/06/12 14:45 |
| S7 | 2615 | ((438/39) or (438/44) or (438/155) or (438/164) or (438/166)).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/06/14 11:37 |

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|-----|--------|---|---------------------------|----|-----|---------------------|
| S8 | 1566 | S7 and ((thin adj film adj transistor) tft) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/06/14 11:38 |
| S9 | 43 | S8 and (photodiode (photo adj diode) (pin with diode)) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/06/14 13:38 |
| S10 | 262065 | Nigel "D." Young | US-PGPUB; USPAT; USOCR | OR | ON | 2007/06/14 12:29 |
| S11 | 49 | (Nigel with Young).inv. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/06/14 12:29 |
| S12 | 9 | ("5130829" "5508555" "5637187").PN. OR ("5980763").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/06/14 12:36 |
| S13 | 2615 | ((438/39) or (438/44) or (438/155) or (438/164) or (438/166)).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/06/14 13:55 |
| S14 | 1566 | S13 and ((thin adj film adj transistor) tft) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/06/14 13:38 |
| S15 | 4 | S14 and (gate with polysilicon) and (diode with amorphous) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/06/14 13:39 |
| S16 | 4 | S13 and (gate with polysilicon) and (diode with amorphous) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/06/14 13:55 |
| S17 | 129 | (gate with polysilicon) and (diode with amorphous) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/06/14 13:55 |
| S18 | 413 | (438/155).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/06/14 13:55 |

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| S19 | 0 | S17 and S18 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/06/14 13:55 |
| S20 | 27 | S13 and pin with diode | US-PGPUB; USPAT; USOCR | OR | ON | 2007/06/14 13:56 |
| S21 | 40 | S13 and diode with amorphous | US-PGPUB; USPAT; USOCR | OR | ON | 2007/06/14 13:56 |
| S22 | 6 | S20 and S21 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/06/14 13:56 |
| S23 | 20 | ("5130829" "5254208" "5275851" "5346850" "5456763" "5514466" "5523587").PN. OR ("5776803").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/06/14 13:57 |
| S24 | 71 | ("4068020" "4103297" "4239346" "4365013" "4378417" "4569903" "4582395" "4591892" "4597160" "4609930" "4680580" "4740829" "4818077" "4860069" "4862237" "4868014" "4888305" "4891330" "4897360" "4938565" "4949141" "4959700" "4969025" "4969031" "4986213" "5003356" "5012228" "5051570" "5054887" "5055899" "5056895" "5066110" | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/06/14 13:59 |

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|-----|-------|--|---------------------------|----|-----|---------------------|
| | | "5077223" "5084905" "5085973" "5107308" "5132754" "5132821" "5250818" "5250931" "5289300" "5304895" "5327001" "5346850" "5347144" "5403756" "5427961" "5453350" "5470619" "5500537" "5529951" "5535027" "5541748" "5612799" "5627404" "5631753" "5677041" "5717223" "5717224" "5744818" "5776083" "5776803" "5933205" "6049364" "6242758").PN. OR ("6429053").URPN. | | | | |
| S25 | 66 | ("4591892").URPN. | USPAT | OR | OFF | 2007/06/14 14:01 |
| S26 | 27 | S13 and pin with diode | US-PGPUB; USPAT; USOCR | OR | ON | 2007/06/14 14:18 |
| S27 | 18691 | pin with diode | US-PGPUB; USPAT; USOCR | OR | ON | 2007/06/14 14:18 |
| S28 | 71014 | tft | US-PGPUB; USPAT; USOCR | OR | ON | 2007/06/14 14:18 |
| S29 | 159 | S27 with S28 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/06/14 14:18 |

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|-----|-------|--|---------------------------|----|-----|---------------------|
| S30 | 413 | (438/155).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/06/26 12:25 |
| S31 | 103 | S30 and transistor and diode | US-PGPUB; USPAT; USOCR | OR | ON | 2007/06/26 12:48 |
| S32 | 387 | S30 and transistor | US-PGPUB; USPAT; USOCR | OR | ON | 2007/06/26 12:48 |
| S33 | 367 | S32 and (source drain) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/06/26 12:49 |
| S34 | 99 | S33 and diode | US-PGPUB; USPAT; USOCR | OR | ON | 2007/06/26 12:49 |
| S35 | 12 | S34 and (etch\$4 with (stop \$4 barrier)) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/06/26 12:49 |
| S36 | 20935 | tft | USPAT | OR | OFF | 2007/06/26 13:08 |
| S37 | 71231 | tft | US-PGPUB; USPAT; USOCR | OR | ON | 2007/06/26 13:08 |
| S38 | 1671 | S37 and photodiode | US-PGPUB; USPAT; USOCR | OR | ON | 2007/06/26 13:23 |
| S39 | 234 | S37 and photodiode with pin | US-PGPUB; USPAT; USOCR | OR | ON | 2007/06/26 13:09 |
| S40 | 189 | S39 and matrix | US-PGPUB; USPAT; USOCR | OR | ON | 2007/06/26 13:09 |
| S41 | 7 | S40 and (etch\$4 with (stop \$4 barrier)) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/06/26 13:22 |
| S42 | 15 | ("4082568" "4366336" "5049954").PN. OR ("5216491").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/06/26 13:18 |

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|-----|------|---|---------------------------|----|-----|---------------------|
| S43 | 23 | ("5516712").URPN. | USPAT | OR | OFF | 2007/06/26 13:20 |
| S44 | 14 | S39 and (etch\$4 with (stop \$4 barrier)) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/06/26 13:22 |
| S45 | 3 | S38 and (source drain) with (before preced\$3) with (photodiode) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/06/27 08:28 |
| S46 | 199 | maldonado.xa. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/06/27 08:28 |
| S47 | 1451 | ((438/155) or (438/200) or (438/198)).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/07/05 11:45 |
| S48 | 248 | S47 and tft | US-PGPUB; USPAT; USOCR | OR | ON | 2007/07/05 11:38 |
| S49 | 2 | S48 and pin with diode | US-PGPUB; USPAT; USOCR | OR | ON | 2007/07/05 11:46 |
| S50 | 7 | ("4363828" "4693759" "4814292").PN. OR ("5298455").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/07/05 11:42 |
| S51 | 39 | ("4062034" "4176372" "4363828" "4693759" "4727044" "4814292" "4862237" "4901133" "4992846" "5165075" "5242855" "5262654" "5273910" "5298455" "5371039" "5372958"). PN. OR ("5576222"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/07/05 11:43 |

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|-----|---------|---|---------------------------|----|-----|---------------------|
| S52 | 407 | ((438/23) or (438/45)). CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/07/05 11:45 |
| S53 | 8 | S52 and pin with diode | US-PGPUB; USPAT; USOCR | OR | ON | 2007/07/05 11:46 |
| S54 | 1374 | tft with pin | US-PGPUB; USPAT; USOCR | OR | ON | 2007/07/05 11:53 |
| S55 | 71678 | tft | US-PGPUB; USPAT; USOCR | OR | ON | 2007/07/05 11:53 |
| S56 | 1494925 | pin | US-PGPUB; USPAT; USOCR | OR | ON | 2007/07/05 11:53 |
| S57 | 1374 | S55 with S56 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/07/05 11:54 |
| S58 | 410744 | pin with (overlying over above aloft atop overhead upon) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/07/05 11:56 |
| S59 | 194 | S55 with S58 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/07/05 11:55 |
| S60 | 8808 | pin with (overlying over above aloft atop overhead upon) with (interconnect connect interconnection) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/07/05 11:56 |
| S61 | 121 | S55 and S60 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/07/05 11:57 |
| S62 | 98691 | S55 with S60 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/07/05 11:57 |
| S63 | 6 | S55 with S60 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/07/05 11:58 |

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|-----|----|---|---------------------------|----|-----|---------------------|
| S64 | 16 | ("4062034" "4176372" "4363828" "4693759" "4727044" "4814292" "4862237" "4901133" "4992846" "5165075" "5242855" "5262654" "5273910" "5298455" "5371039" "5372958"). PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/07/05 11:58 |
| S65 | 7 | ("4363828" "4693759" "4814292").PN. OR ("5298455").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/07/05 12:05 |
| S66 | 55 | ("20010004121" "20030100150" "20040079952" "5108843" "5247190" "5254208" "5273920" "5298455" "5306651" "5323042" "5399502" "5504020" "5508532" "5594569" "5640067" "5643826" "5707746" "5731613" "5747830" "5771110" "5773325" "5815223" "5858823" "5893730" "5897328" "5923962" "5970384" "6048758" "6087229" "6093577" "6157426" "6165824" "6166414" | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/07/05 12:06 |

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|-----|------|---|---------------------------|----|-----|---------------------|
| | | "6174590" "6198133" "6215163" "6225645" "6271897" "6274516" "6281552" "6285042" "6300253" "6306694" "6316810" "6335541" "6380558" "6399988" "6420282" "6429483" "6461899" "6478263" "6524895" "6531713" "6534826" "6645826"). PN. OR ("7064388"). URPN. | | | | |
| S67 | 1942 | ((438/155) or (438/157) or (438/154) or (438/187) or (438/190) or (438/210) or (257/e27.113) or (257/ e27.116)).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/11 08:07 |
| S68 | 12 | S67 and (pin intrinsic) with diode | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/12 14:29 |
| S69 | 6 | ((("5,589,694") or ("5488000") or ("5426064") or ("5275851") or ("4894699") or ("4769686"))).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/12 14:29 |
| S70 | 10 | ("4894699").URPN. | USPAT | OR | OFF | 2007/10/12 14:32 |

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|-----|-----|--|---------------------------|----|-----|---------------------|
| S71 | 153 | ("4769686" "4894699" "4912061" "5147826" "5229625" "5275851" "5418389" "5426064" "5488000").PN. OR ("5589694").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/12 14:43 |
| S72 | 203 | ("5147826" "5275851"). PN. OR ("5426064"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/12 14:57 |
| S73 | 9 | ("5130829" "5508555" "5637187").PN. OR ("5980763").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/12 15:25 |
| S74 | 15 | ("4082568" "4366336" "5049954").PN. OR ("5216491").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/12 15:28 |
| S75 | 38 | ("4719498" "5075244" "5132539" "5153438" "5179284" "5182625" "5187369" "5198694" "5202575" "5216491" "5233181" "5362660" "5384271" "5391507" "5401668").PN. OR ("5516712").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/12 15:29 |

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|-----|----|--|---------------------------|----|-----|---------------------|
| S76 | 22 | ("4571348" "4842892" "4959700" "5262649" "5348892" "5360744" "5473168" "5480818" "5516712" "5599403" "5767531").PN. OR ("5959312").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/12 15:40 |
| S77 | 24 | ("4490735").PN. OR ("4719498").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/12 15:42 |
| S78 | 94 | ("4250385" "4288264" "4525628" "4626688" "4672454" "4679212" "4707608" "4785186" "4799094" "4823369" "4982095" "5017990" "5019711" "5079426" "Re32164").PN. OR ("5262649").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/12 15:53 |
| S79 | 35 | ("4163240" "4409605" "4419578" "4611224"). PN. OR ("4785186"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/12 16:07 |

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|-----|------|--|---------------------------|----|-----|---------------------|
| S80 | 34 | ("4866291" "5059794" "5182624" "5262649" "5381014" "5420352" "5498880" "5591960" "5604364" "5619033" "5698844" "5812284" "5841180" "5912465" "5914485" "5981931" "6034406" "6034725" "6044128" "6075256" "6121622" "6144466" "6147338" "6160260" "6163386" "6185274" "6245601" "6300978" "6353228" "6476867" "6512279" "6674470" "6784411" "6784433"). PN. OR ("7005647"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/13 11:51 |
| S81 | 54 | (Nigel with Young).inv. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/13 11:56 |
| S82 | 1011 | (crystalline with transistor). clm. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/13 11:56 |
| S83 | 596 | S82 and source with drain. clm. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/13 11:57 |
| S84 | 137 | S83 and (interconnect interconnection line).clm. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/13 11:57 |

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| S85 | 172 | S83 and (interconnect interconnection line wiring wire).clm. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/13 11:57 |
| S86 | 5 | S85 and (diode with (interconnect interconnection line wiring wire)).clm. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/10/13 11:58 |
| S87 | 254 | (438/59).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/11 08:07 |
| S88 | 48 | S87 and pin | US-PGPUB; USPAT; USOCR | OR | ON | 2008/01/11 08:08 |
| S89 | 19 | S87 and pin with diode | US-PGPUB; USPAT; USOCR | OR | ON | 2008/01/11 08:26 |
| S90 | 16 | S89 and transistor | US-PGPUB; USPAT; USOCR | OR | ON | 2008/01/11 08:08 |
| S91 | 17 | ("4316206" "4482804"). PN. OR ("4728997"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/01/11 08:14 |
| S92 | 34 | ("3626328" "3748501" "3882533" "4095011" "4158717" "4400409" "4525593" "4535327" "4567499" "4583087" "4600935" "4601097" "4728997").PN. OR ("4810637").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/01/11 08:21 |

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|-----|------|--|---------------------------|----|-----|---------------------|
| S93 | 19 | ("4796975" "4810637" "5049527" "5249245" "5302456" "5409798" "5471552" "5496743" "5698452" "5699073" "5944537" "6020220" "6025857" "6060332" "6063647" "6121070" "6137162" "6380597"). PN. OR ("6893896"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/01/11 08:25 |
| S94 | 8 | S87 and intrinsic with diode | US-PGPUB; USPAT; USOCR | OR | ON | 2008/01/11 08:27 |
| S95 | 18 | ("4354309" "5235195" "5254480").PN. OR ("5789276").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/01/11 08:29 |
| S96 | 2780 | ((438/149) or (438/155)). CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/11 12:50 |
| S97 | 14 | S96 and diode with intrinsic | US-PGPUB; USPAT; USOCR | OR | ON | 2008/01/11 08:36 |
| S98 | 1 | ("20060030084").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/11 08:37 |
| S99 | 1 | ("5589694").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/11 08:37 |

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|------|-----|--|---------------------------|----|----|---------------------|
| S100 | 156 | ("4769686" "4894699" "4912061" "5147826" "5229625" "5275851" "5418389" "5426064" "5488000").PN. OR ("5589694").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/01/11 08:38 |
| S101 | 22 | ("4571348" "4842892" "4959700" "5262649" "5348892" "5360744" "5473168" "5480818" "5516712" "5599403" "5767531").PN. OR ("5959312").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/01/11 09:28 |
| S102 | 94 | ("4250385" "4288264" "4525628" "4626688" "4672454" "4679212" "4707608" "4785186" "4799094" "4823369" "4982095" "5017990" "5019711" "5079426" "Re32164").PN. OR ("5262649").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/01/11 09:31 |
| S103 | 45 | ("4266223" "5384517"). PN. OR ("5640067"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/01/11 10:02 |

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|------|----|---|---------------------------|----|----|---------------------|
| S104 | 64 | ("4146904" "4382187" "4589003" "4752814" "4785186" "4799094" "4810881" "4823178" "4889983" "4940901"). PN. OR ("5079426"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/01/11 10:06 |
| S105 | 0 | ("2007/0093007").URPN. | USPAT | OR | ON | 2008/01/11 10:10 |
| S106 | 28 | ("20030082889" "3598997" "4004148" "4341954" "4575638" "4583108" "4675739" "4706268" "4835507" "4908718" "4922117" "4939592" "4940901" "5043785" "5184018" "5225706" "5262649" "5315102" "5376009" "5381014" "5491339" "5545899" "5680229" "5780872" "5812284" "5914485" "6512279" "6664527").PN. OR ("7022997").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/01/11 10:10 |
| S107 | 9 | ("5187369" "5262649" "5420429").PN. OR ("5880470").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/01/11 10:11 |

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| S108 | 22 | ("4571348" "4842892" "4959700" "5262649" "5348892" "5360744" "5473168" "5480818" "5516712" "5599403" "5767531").PN. OR ("5959312").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/01/11 10:50 |
| S109 | 30 | ("4266223" "4602192" "5294869" "5294870" "5384517" "5550066"). PN. OR ("5897328"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/01/11 11:32 |
| S110 | 1 | ("6680485").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/11 11:32 |
| S111 | 4 | ("5346850" "5523587"). PN. OR ("6680485"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/01/11 11:33 |
| S112 | 2780 | ((438/149) or (438/155)). CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/01/11 12:50 |
| S113 | 46 | S112 and laser with anneal \$4 with (hydrogen "h. sub.2") | US-PGPUB; USPAT; USOCR | OR | ON | 2008/01/11 12:58 |
| S114 | 1 | "10525173" | US-PGPUB; USPAT; USOCR | OR | ON | 2008/01/11 13:00 |
| S115 | 258 | S112 and hydrogenation | US-PGPUB; USPAT; USOCR | OR | ON | 2008/01/11 13:00 |
| S116 | 250 | S112 and hydrogenation not de | US-PGPUB; USPAT; USOCR | OR | ON | 2008/01/11 13:00 |

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| S117 | 1 | "6027960".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/01/11 13:29 |
| S118 | 1116 | ((438/155) or (438/164)). CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/08/21 09:40 |
| S119 | 12 | S118 and pin with diode | US-PGPUB; USPAT; USOCR | OR | ON | 2008/08/21 09:40 |
| S120 | 8 | ("4363828" "4693759" "4814292").PN. OR ("5298455").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/08/21 09:48 |
| S121 | 40 | ("4062034" "4176372" "4363828" "4693759" "4727044" "4814292" "4862237" "4901133" "4992846" "5165075" "5242855" "5262654" "5273910" "5298455" "5371039" "5372958"). PN. OR ("5576222"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/08/21 09:51 |
| S122 | 65 | ("3191061" "3339075" "4223330" "4323912" "4472821").PN. OR ("4862237").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/08/21 09:59 |
| S123 | 65 | ("3191061" "3339075" "4223330" "4323912" "4472821").PN. OR ("4862237").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/08/21 11:15 |

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|------|------|--|--|----|-----|---------------------|
| S124 | 3369 | ((257/72) or (257/293) or (257/444) or (257/e27141) or (257/e27.145)).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/08/21 11:15 |
| S125 | 83 | S124 and pin with diode | US-PGPUB; USPAT; USOCR | OR | ON | 2008/08/21 11:15 |
| S126 | 43 | S125 and tft | US-PGPUB; USPAT; USOCR | OR | ON | 2008/08/21 11:16 |
| S127 | 27 | ("3486029" "3488523" "3813539" "4110608" "4158144" "4183034" "4390790" "4467191" "4629880" "4636829" "4647794" "4665316" "4712017" "4742380"). PN. OR ("4894699"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/08/21 11:20 |
| S128 | 33 | ((257/e27141) or (257/e27.145)).CCLS. | FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/08/21 12:58 |

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|------|-----|---|---------------------------|----|----|---------------------|
| S129 | 26 | ("5292675" "5323042" "5643826" "5739065" "5923962" "6091115" "6096581" "6166397" "6166414" "6198133" "6218678" "6259120" "6271543" "6281552" "6346730" "6362507" "6380007" "6410368" "6420988" "6461899" "6469317" "6492681" "6498369" "6506636" "6563482" "6580475"). PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/08/22 07:21 |
| S130 | 756 | ("3108914" "3389024" "3783049" "3988762" "4068020" "4472458" "4911781" "5075259" "5147826" "5244836" "5275851" "5354697" "5358907" "5387530" "5403772").PN. OR ("5643826").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/08/22 07:23 |
| S131 | 372 | S130 and hydrogenation | US-PGPUB; USPAT; USOCR | OR | ON | 2008/08/22 07:24 |
| S132 | 36 | S131 and (source drain) with temperature | US-PGPUB; USPAT; USOCR | OR | ON | 2008/08/22 07:35 |

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|------|------|--|---------------------------|----|-----|---------------------|
| S133 | 2363 | ((438/155) or (438/60) or (438/65) or (438/66) or (438/69) or (438/71) or (438/75) or (438/74) or (438/78)).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/03/14 12:52 |
| S134 | 299 | S133 and intrinsic | US-PGPUB; USPAT; USOCR | OR | ON | 2009/03/14 12:52 |
| S135 | 94 | ("20010030704" "20010038065" "20020011978" "20020042171" "20020043660" "20020044208" "20020074551" "20020127785" "20020130322" "20020146893" "20030032210" "20030032213" "20030057423" "20030071953" "20030134048" "20030166336" "20030201450" "20030217805" "20040079941" "20040121602" "20040217357" "20040263712" "20050056842" | US-PGPUB; USPAT; USOCR | OR | ON | 2009/03/14 12:54 |

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|---------------|-----------|
| "20050082463" | |
| "20050093037" | |
| "20050161675" | |
| "20050167573" | |
| "20050195129" | |
| "20050202609" | |
| "20050206830" | |
| "20060186399" | |
| "20070120132" | |
| "20070267665" | |
| "5501989" | "5589694" |
| "5648662" | "5744822" |
| "5757456" | "5811328" |
| "5821138" | "5834327" |
| "6087648" | "6118502" |
| "6124155" | "6166399" |
| "6194740" | "6198133" |
| "6204519" | "6236063" |
| "6243155" | "6274861" |
| "6287888" | "6335213" |
| "6376333" | "6399933" |
| "6423614" | "6437370" |
| "6462806" | "6496240" |
| "6521511" | "6531711" |
| "6583439" | "6680764" |
| "6692984" | "6700631" |
| "6724012" | "6744116" |
| "6756258" | "6784411" |
| "6797548" | "6825492" |
| "6847064" | "6858898" |
| "6864950" | "6867752" |

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|------|----|---|----------------------------------|----|-----|---------------------|
| | | "6878607" "6891391" "6937306" "6956234" "6995753" "7030551" "7042548" "7067392" "7088401" "7147740" "7158098" "7158199" "7169636" "7180092" "7235814" "7253391" "7271858" "7279673" "7351605").PN. OR ("7501306").URPN. | | | | |
| S136 | 29 | ((257/e27141) or (257/ e27.145)).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/03/14 13:06 |
| S137 | 73 | ("3191061" "3339075" "4223330" "4323912" "4472821").PN. OR ("4862237").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/03/14 13:06 |
| S138 | 33 | ((257/e27141) or (257/ e27.145)).CCLS. | EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/14 13:10 |

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|------|----|---|----------------------------------|----|-----|---------------------|
| S139 | 37 | (("7492377") or ("7368751") or ("7358529") or ("7291968") or ("7271409") or ("7242145") or ("7208760") or ("7119796") or ("7109522") or ("7101740") or ("6974971") or ("6738031") or ("6632709") or ("6489631") or ("6462469") or ("6441873") or ("6400348") or ("6301500") or ("6246460") or ("6168982") or ("6046479") or ("5980763") or ("5930609") or ("5869791") or ("5798534") or ("5776803") or ("5744823") or ("5705413") or ("5658805") or ("5621683") or ("5618741") or | EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/14 13:18 |
|------|----|---|----------------------------------|----|-----|---------------------|

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|------|----|--|------------------------------------|----|-----|---------------------|
| | | ("5605845") or ("5264383") or ("5095304")).PN. | | | | |
| S140 | 34 | ((("7492377") or ("7368751") or ("7358529") or ("7291968") or ("7271409") or ("7242145") or ("7208760") or ("7119796") or ("7109522") or ("7101740") or ("6974971") or ("6738031") or ("6632709") or ("6489631") or ("6462469") or ("6441873") or ("6400348") or ("6301500") or ("6246460") or ("6168982") or ("6046479") or ("5980763") or ("5930609") or ("5869791") or ("5798534") or ("5776803") or ("5744823") or ("5705413") or | US-PGPUB; USPAT; USOCR; FPRS | OR | OFF | 2009/03/14 13:18 |

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|------|-----|---|---------------------------|----|-----|---------------------|
| | | ("5658805") or ("5621683") or ("5618741") or ("5605845") or ("5264383") or ("5095304")).PN. | | | | |
| S141 | 60 | (nigel with young).inv. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/03/14 13:21 |
| S142 | 380 | ((257/e27.141) or (257/ e27.145)).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/03/14 15:49 |
| S143 | 1 | ("20060030084").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/08/06 08:46 |
| S144 | 16 | ("4082568" "4366336" "5049954").PN. OR ("5216491").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/06 08:48 |
| S145 | 23 | ("4719498" "5075244" "5132539" "5153438" "5179284" "5187369" "5198694" "5216491" "5233181").PN. OR ("5399884").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/06 08:49 |

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|------|----|---|---------------------------|----|----|---------------------|
| S146 | 32 | ("4725890" "4739414" "4889983" "5202575" "5349174" "5399884" "5435608" "5480810" "5532180" "5587591" "5610403" "5610404" "5614727" "5631473" "5648654" "5736732" "5777355" "5818053" "5838054" "5869837" "5920070" "5942756" "6025599" "6031234" "6075248" "6124606" "6133614" "6167110" "6243441" "6262421" "6490014" "6559506"). PN. OR ("6777685"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/06 08:56 |
| S147 | 41 | ("4266223" "4602192" "5294869" "5294870" "5384517" "5550066"). PN. OR ("5897328"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/06 08:58 |
| S148 | 52 | ("4594282" "4672266" "4721631" "4877995" "4947081" "4975338" "5003221" "5059862"). PN. OR ("5384517"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/06 09:07 |

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|------|---------|--|---------------------------|----|-----|---------------------|
| S149 | 96 | ("4250385" "4288264" "4525628" "4626688" "4672454" "4679212" "4707608" "4785186" "4799094" "4823369" "4982095" "5017990" "5019711" "5079426" "Re32164").PN. OR ("5262649").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/06 09:09 |
| S150 | 79 | ("3191061" "3339075" "4223330" "4323912" "4472821").PN. OR ("4862237").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/06 09:50 |
| S151 | 3518 | ((438/31) or (438/39) or (438/65) or (438/96) or (438/145) or (438/155) or (438/233) or (257/e27141) or (257/e27.145) or (257/ e33.046) or (257/e31.061) or (257/e21.361)).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/08/06 10:41 |
| S152 | 2813706 | S151 and (intrinsic (vertical with pin) vertical) near\$3 diode | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/06 11:13 |
| S153 | 92 | S151 and (intrinsic (vertical with pin) vertical) near3 diode | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/06 11:13 |

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|------|-----|--|---------------------------|----|----|---------------------|
| S154 | 14 | ("3781612" "4166218" "4183034" "4370510" "4415916").PN. OR ("4514748").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/06 11:15 |
| S155 | 110 | S151 and (tft and diode) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/06 11:16 |
| S156 | 110 | S151 and (tft and diode) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/06 11:16 |
| S157 | 39 | ("2882243" "2971607" "3462422" "3785122" "3982912" "4053335" "4064521" "4068020" "4091407" "4226898" "4239554" "4409805" "4469527" "4469568" "4485146" "4490208" "4510344" "4520380" "4536459" "4549889" "4582395" "4591892" "4667214" "4690717" "4710786" "4766477" "4888305" "4903102" "5043772" "5294555" "5349204" "5391893" "5521400" "5543636").PN. OR ("6043105").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/06 11:27 |
| S158 | 502 | S151 and (transistor and diode) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/06 11:29 |

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|------|-------|---|--|----|-----|---------------------|
| S159 | 1775 | ((438/60) or (438/75) or (438/76) or (438/144) or (257/e31.075) or (257/e31.078) or (257/e31.079) or (257/e31.081) or (257/e31.082) or (257/e31.084) or (257/e27.153) or (257/e27.154) or (257/e27.159) or (257/e27.16) or (257/e27.163) or (257/e21.617)).CCLS. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/08/06 11:34 |
| S160 | 45 | S159 and (intrinsic (vertical with pin) vertical) near3 diode | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/06 11:34 |
| S161 | 21659 | 54and (tft and diode) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/06 11:36 |
| S162 | 1 | S160 and (tft and diode) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/06 11:36 |
| S163 | 930 | ((257/e31.075) or (257/e31.078) or (257/e31.079) or (257/e31.081) or (257/e31.082) or (257/e31.084) or (257/e27.153) or (257/e27.154) or (257/e27.159) or (257/e27.16) or (257/e27.163) or (257/e21.617) or (257/e27141) or (257/e27.145) or (257/e33.046) or (257/e31.061) or (257/e21.361)).CCLS. | FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/06 11:37 |

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|------|-----|--|--|----|-----|---------------------|
| S164 | 6 | S163 and (intrinsic (vertical with pin) vertical) near3 diode | FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/06 11:37 |
| S165 | 64 | ((NIGEL) near2 (YOUNG)). INV. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/06 11:44 |
| S166 | 10 | ("4174219" "4393572" "4678542" "4715930" "4727044" "4788157" "5045487" "5053353" "5102813" "5114871"). PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/06 11:47 |
| S167 | 10 | ("4174219" "4393572" "4678542" "4715930" "4727044" "4788157" "5045487" "5053353" "5102813" "5114871"). PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/06 11:48 |
| S168 | 102 | ("4174219" "4393572" "4678542" "4715930" "4727044" "4788157" "5045487" "5053353" "5102813" "5114871"). PN. OR ("5264383"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/06 11:48 |
| S176 | 3 | ((("3094785") or ("5820006"))).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/08/08 13:57 |

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|------|----|--|---------------------------|----|----|---------------------|
| S177 | 35 | ("2970730" "3920168" "4095344" "4296542" "4653680" "4688540" "4698088" "5165585" "5174188" "5275077" "5327625").PN. OR ("5820006").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/08 13:59 |
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EAST Search History (Interference)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|--------------------------|------------------|---------|------------------|
| L1 | 7134 | (intrinsic (vertical with pin) vertical) near3 diode | US-PGPUB; USPAT; UPAD | OR | ON | 2009/08/15 12:41 |
| L2 | 286 | 1 and (tft and diode) | US-PGPUB; USPAT; UPAD | OR | ON | 2009/08/15 12:42 |
| S169 | 1787 | ((438/60) or (438/75) or (438/76) or (438/144) or (257/e31.075) or (257/ e31.078) or (257/ e31.079) or (257/ e31.081) or (257/ e31.082) or (257/ e31.084) or (257/ e27.153) or (257/ e27.154) or (257/ e27.159) or (257/e27.16) or (257/e27.163) or (257/ e21.617)).CCLS. | US-PGPUB; USPAT; UPAD | OR | OFF | 2009/08/06 11:38 |

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|------|------|---|--------------------------|----|-----|------------------|
| S170 | 44 | S169 and (intrinsic (vertical with pin) vertical) near3 diode | US-PGPUB; USPAT; UPAD | OR | ON | 2009/08/06 11:38 |
| S171 | 19 | S169 and (tft and diode) | US-PGPUB; USPAT; UPAD | OR | ON | 2009/08/06 11:39 |
| S172 | 3585 | ((438/31) or (438/39) or (438/65) or (438/96) or (438/145) or (438/155) or (438/233) or (257/e27141) or (257/e27.145) or (257/e33.046) or (257/e31.061) or (257/e21.361)).CCLS. | US-PGPUB; USPAT; UPAD | OR | OFF | 2009/08/06 11:40 |
| S173 | 96 | S172 and (intrinsic (vertical with pin) vertical) near3 diode | US-PGPUB; USPAT; UPAD | OR | ON | 2009/08/06 11:40 |
| S174 | 114 | S172 and (tft and diode) | US-PGPUB; USPAT; UPAD | OR | ON | 2009/08/06 11:43 |
| S175 | 66 | ((NIGEL) near2 (YOUNG)).INV. | US-PGPUB; USPAT; UPAD | OR | ON | 2009/08/06 11:50 |

8/15/2009 1:12:16 PM

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